

Appl. No. : **10/553,376**
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AMENDMENTS TO THE CLAIMS

1. (Currently amended) A method for isolating nucleic acids from a sample containing nucleic acids comprising:

dissolving the sample in a buffer comprising at least one surfactant and at least one salt of a monovalent cation;

heating the obtained solution;

subjecting the heated solution to gel filtration; and

collecting a fraction containing nucleic acids.

2. (Previously presented) The method according to claim 1, wherein said surfactant is Triton X-100®.

3. (Previously presented) The method according to claim 1, wherein said salt is NaCl.

4. (Previously presented) The method according to claim 1, wherein said sample comprises eucaryotic cells.

5. (Previously presented) The method according to claim 1, wherein said sample is blood.

6. (Withdrawn) A kit for nucleic acid isolation from a sample containing nucleic acids, comprising

a buffer and a gel filtration column, wherein said buffer comprises at least one surfactant and at least one salt of a monovalent cation.

7. (Withdrawn) The kit according to claim 6, wherein said buffer comprises Triton X-100® and NaCl.

8. (Withdrawn) An apparatus for nucleic acid isolation comprising:

a sample-introducing part;

a buffer-supplying part that supplies a buffer comprising at least one surfactant and at least one salt of a monovalent cation;

a heating part; and

a separation part comprising gel filtration resins.